IN THE SPECIFICATION:

At page 1, prior to line 2, please insert the following new paragraph and heading:

--CROSS-REFERENCE TO RELATED APPLICATION

This is the U.S. National Stage of International Application Number PCT/FI03/00402 filed May 26, 2003 and published in English on December 11, 2003 under International Publication Number WO 03/103316 A1.--

At page 1, please amend the paragraph beginning on line 5 as follows:

--In a home register or a visitor register there typically is knowledge of under which base station the mobile devices within the coverage area are located. The position of the mobile terminal can be determined by the network or by the mobile terminal and network together. The position of mobile devices is thus known at least with base station specifiespecificity. More accurately, mobile devices can be positioned for example by means of the GPS (Global Positioning System) or by means of other known positioning systems. Typically in a mobile device, there can be loaded a desired map base, in which more data is filled in on the basis of inquiries, said data being position coordinates, route and distance information, trip and distance measurement findings and similar information.--

At page 1, please amend the paragraph beginning on line 15 as follows:

--A more general positioning problem among users is, however, how to locate a mobile device and possiblepossibly its user within a given finite area. In many situations it is known that a mobile device is located within a given finite area, but the accurate location is not detected. For instance, it may be known that a device is within a given building, within a given space or otherwise within known boundaries. However, the accurate position of the device is not known. The fact that the position of the device is not detected may be due to a lack of observation on the side of the user, or to circumstances, for instance a noisy, dark, crowded or smoky environment.--

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